



Please send submissions to Steve Lundback, [lundback@msu.edu](mailto:lundback@msu.edu), 212 Biochemistry (Mailbox on 2<sup>nd</sup> Floor)

## Seminar Calendar

### MONDAY, APRIL 8

#### [Molecular Plant Science Seminar](#)

Christian Hardtke, University of Lausanne, Switzerland

*"The phloem nexus of the plexus"*

4:10 PM, Room 101 Biochemistry

### TUESDAY, APRIL 9

#### [The Exchange](#)

Journal Club

8:00 AM, Room 208 Biochemistry

#### [MMG Seminar](#)

Mary Firestone, University of California, Berkeley

*"A Web of Interactions Shape the Rhizosphere Microbiome"*

4:10 PM, Room 1415 BPS

### WEDNESDAY, APRIL 10

#### [\(3M\) Interest Group](#)

Nick Tefft, TerAvest Lab

*"Microbial Electrosynthesis in S. oneidensis MR-1"*

4:00 PM, Room 1455-A BPS (iCER)

### THURSDAY, APRIL 11

#### [BMB Colloquium](#)

HANSEN AWARDEE

Marcos Oliveira, Sao Paulo State University

*"Mitochondrial DNA maintenance and oxidative phosphorylation bypass"*

11:00 AM, Room 101 Biochemistry

#### [EEBB Seminar](#)

Eli Strauss, Distinguished Student Speaker, Integrative Biology

*"Social dynamics and social inequality in long-term study of a wild carnivore"*

3:30 PM, Room 1420 BPS

### FRIDAY, APRIL 12

#### [Science at the Edge](#)

No seminar

## Noteworthy News



The Kuo group has been awarded an R01 grant by the National Institute on Aging, NIH, for the study of "Hyperphosphorylated tau aggregation-based Alzheimer's disease early drug discovery". Every 69 seconds, someone in the US will develop Alzheimer's disease (AD), but there is no cure or prevention for this devastating neurodegenerative disorder. This grant uses the innovative platform based on the fibrillization of hyperphosphorylated tau protein to screen for novel compounds for AD drug development. Majority of the preliminary data supporting this grant were from the doctoral thesis work by Mengyu Liu (BMB). Drs. Richard Neubig and Edmund Ellsworth (Pharmacology and Toxicology) are consultants for this grant.

**SPARTANS WILL.**

## Announcements

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Checkout the [Grad/Postdoc News](#) page on the BMB website for the latest events and opportunities.

### [Graduate Student Workshops and Events](#)

A short list of some workshop titles:

Thesis and Dissertation Walk In Help

Navigating the PhD

Write-In at The Graduate School

Certification in College Teaching Institute (2-day program)

### [Cultural Competency for Personal, Organizational and Community Change Workshop](#)

This workshop is part of a new diversity, equity and inclusion training initiative of the NatSci Council on Diversity & Community (CDC). The workshop will be available both April 10 and April 11 from 8:30 a.m. – 4:30 p.m. Attendees will be a mix of faculty, staff, postdocs, graduate students, chairs/directors and college administrators.

### [Meeting overview of 60th Annual Drosophila Research Conference \(Dallas\)](#)

The Arnosti lab will host this meeting overview in Biochemistry room 208, Tuesday, April 9th, 9:30-11:00

### [A Thank You from Professor Arnosti:](#)

Thanks to all BMB students who attended the talk of Prof. Monica Dus “Reshaping of sweet taste sensation and feeding by a high sugar diet” on Feb. 21. As we noted, each person attending would trigger a \$2.00 donation to the Juvenile Diabetes Research Foundation; together with a generous matching grant from one of our faculty, we raised a total of \$124.00 for this charity. If you are not familiar with this nonprofit, you can find out more at [www.jdrf.org](http://www.jdrf.org). They hold annual fundraiser walks on campus, next one slated for August 3, 2019.

### [Evolution and Core Processes in Gene Expression](#)

We are delighted to invite you to the ASBMB Special Symposium on Evolution and Core Processes in Gene expression, to be held here at MSU May 9 - 12, 2019. We have a great group of distinguished speakers, including Mike Eisen from UC Berkeley (developmental gene expression in the embryo), Greg Wray from Duke (evo/devo), Audrey Gasch from UW Madison (gene networks), Chris Rushlow from NYU (pioneer transcription factors), and Phil Benfey from Duke (root gene networks). Early registration rates before March 14th, ASBMB members receive a discount!

## Recent Publications

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For most publications from BMB labs during the past year, see [Recent Publications](#) on the BMB website.

Newcomer RL, Schrad JR, Gilcrease EB, Casjens SR, Feig M, Teschke CM, Alexandrescu AT, Parent KN. “The phage L capsid decoration protein has a novel OB-fold and an unusual capsid binding strategy.” *Elife*. (2019) Apr 4;. doi: [10.7554/eLife.45345](https://doi.org/10.7554/eLife.45345)

Takahashi H. “Sulfate transport systems in plants: functional diversity and molecular mechanisms underlying regulatory coordination.” *J Exp Bot*. (2019) Mar 25;. doi: [10.1093/jxb/erz132](https://doi.org/10.1093/jxb/erz132)